AS

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/830,779

DATE: 08/30/2001
TIME: 06:21:19

Input Set : **A:\Seq List 09-830779.txt**
Output Set: **N:\CRF3\08292001\I830779.raw**

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 3 <110> APPLICANT: The Regents of the University of California
 4       Chien, Kenneth
 5       Dillmann, Wolfgang
 6       Minamisawa, Susanne
 7       He, Huaping
 8       Hoshijima, Masahiko
 9       Meyer, Markus
10       Scott, Christopher
11       Wang, Yibin
12       Silverman, Gregg J.
14 <120> TITLE OF INVENTION: METHOD FOR INHIBITION OF PHOSPHOLAMBAN ACTIVITY FOR THE
TREATMENT OF
15       CARDIAC DISEASE
17 <130> FILE REFERENCE: 6627-PA9025
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C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/830,779
C--> 19 <141> CURRENT FILING DATE: 2001-08-04
     19 <150> PRIOR APPLICATION NUMBER: 60/106,718
     20 <151> PRIOR FILING DATE: 1998-11-02
     22 <150> PRIOR APPLICATION NUMBER: PCT/US99/25692
     23 <151> PRIOR FILING DATE: 1999-11-02
     25 <160> NUMBER OF SEQ ID NOS: 19
     27 <170> SOFTWARE: PatentIn version 3.1
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     31 <212> TYPE: PRT
     32 <213> ORGANISM: Homo sapiens
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     37 1               5                   10                  15
     40 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
     41             20                  25                  30
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     45          35                  40                  45
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     54 <212> TYPE: PRT
     55 <213> ORGANISM: Homo sapiens
     57 <400> SEQUENCE: 2
     59 Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser
     60 1               5                   10                  15
     63 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
     64             20                  25                  30
     67 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
     68          35                  40                  45
     71 Ala Met Leu Leu
     72      50
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Input Set : A:\Seq List 09-830779.txt
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75 <210> SEQ ID NO: 3
76 <211> LENGTH: 52
77 <212> TYPE: PRT
78 <213> ORGANISM: Homo sapiens
80 <400> SEQUENCE: 3
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83 1   5   10   15
86 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
87   20   25   30
90 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
91   35   40   45
94 Val Met Leu Leu
95   50
98 <210> SEQ ID NO: 4
99 <211> LENGTH: 52
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 4
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106 1   5   10   15
109 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
110   20   25   30
113 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
114   35   40   45
117 Val Met Leu Leu
118   50
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122 <211> LENGTH: 52
123 <212> TYPE: PRT
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 5
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129 1   5   10   15
132 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
133   20   25   30
136 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
137   35   40   45
140 Val Met Leu Leu
141   50
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145 <211> LENGTH: 52
146 <212> TYPE: PRT
147 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 6
151 Met Glu Glu Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Glu Ala Ser
152 1   5   10   15
155 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
156   20   25   30
159 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile

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163 Val Met Leu Leu
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169 <212> TYPE: PRT
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172 <400> SEQUENCE: 7
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175 1               5                10               15
178 <210> SEQ ID NO: 8
179 <211> LENGTH: 16
180 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapiens
183 <400> SEQUENCE: 8
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186 1               5                10               15
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190 <211> LENGTH: 269
191 <212> TYPE: PRT
192 <213> ORGANISM: Homo sapiens
194 <400> SEQUENCE: 9
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200 Ser Ser Val Ser Ala Asn Pro Gly Glu Thr Val Lys Ile Thr Cys Ser
201          20               25               30
204 Gly Gly Gly Asn Tyr Ala Gly Ser Tyr Tyr Tyr Gly Trp Phe Gln Gln
205          35               40               45
208 Lys Ser Pro Gly Ser Ala Pro Val Thr Val Ile Tyr Ser Asn Asp Gln
209      50               55               60
212 Arg Pro Ser Asn Ile Pro Ser Arg Phe Ser Gly Ser Thr Ser Gly Ser
213 65               70               75               80
216 Thr Ser Thr Leu Thr Ile Thr Gly Val Arg Ala Glu Asp Glu Ala Val
217          85               90               95
220 Tyr Phe Cys Gly Ser Asn Ser Gly Thr Gly Tyr Val Gly Ile Phe Gly
221          100              105              110
224 Ala Gly Thr Thr Leu Thr Val Leu Gly Gln Ser Ser Arg Ser Ser Thr
225          115              120              125
228 Val Thr Leu Asp Glu Ser Gly Gly Gly Leu Gln Thr Pro Gly Gly Ala
229      130              135              140
232 Leu Ser Leu Val Cys Arg Ala Ser Gly Phe Thr Phe Ser Arg Phe His
233 145              150              155              160
236 Met Met Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala
237          165              170              175
240 Gly Ile Asp Asp Gly Gly Ser Phe Thr Leu Tyr Gly Ala Ala Val Lys
241          180              185              190
244 Gly Arg Ala Thr Ile Leu Arg Asp Asn Gly Gln Ser Thr Val Arg Leu
245          195              200              205
248 Gln Leu Asp Asn Leu Arg Pro Glu Asp Thr Ala Thr Tyr Phe Cys Val
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Input Set : A:\Seq List 09-830779.txt
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249        210                     215                     220
252 Lys Thr Lys Cys Gly Gly Asn Gly Trp Cys Gly Ala Asp Arg Ile Asp
253 225                     230                     235                     240
256 Ala Trp Gly His Gly Thr Glu Val Ile Val Ser Ser Thr Ser Gly Gln
257                     245                     250                     255
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265 <211> LENGTH: 36
266 <212> TYPE: PRT
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 10
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272 1           5                     10                      15
275 Thr Ile Glu Met Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met
276             20                     25                      30
279 Lys Trp Lys Lys
280         35
283 <210> SEQ ID NO: 11
284 <211> LENGTH: 35
285 <212> TYPE: PRT
286 <213> ORGANISM: Homo sapiens
288 <400> SEQUENCE: 11
290 Gly Gly Gly Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Met
291 1           5                     10                      15
294 Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser Thr
295             20                     25                      30
298 Ile Glu Met
299         35
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303 <211> LENGTH: 36
304 <212> TYPE: PRT
305 <213> ORGANISM: Homo sapiens
307 <400> SEQUENCE: 12
309 Met Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Glu
310 1           5                     10                      15
313 Thr Ile Glu Met Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met
314             20                     25                      30
317 Lys Trp Lys Lys
318         35
321 <210> SEQ ID NO: 13
322 <211> LENGTH: 35
323 <212> TYPE: PRT
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 13
328 Gly Gly Gly Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Met
329 1           5                     10                      15
332 Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Glu Thr
333             20                     25                      30
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Input Set : A:\Seq List 09-830779.txt
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340 <210> SEQ ID NO: 14
341 <211> LENGTH: 16
342 <212> TYPE: PRT
343 <213> ORGANISM: Drosophila melanogaster
345 <400> SEQUENCE: 14
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348 1   5   10   15
351 <210> SEQ ID NO: 15
352 <211> LENGTH: 11
353 <212> TYPE: PRT
354 <213> ORGANISM: Human immunodeficiency virus
356 <400> SEQUENCE: 15
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359 1   5   10
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363 <211> LENGTH: 61
364 <212> TYPE: PRT
365 <213> ORGANISM: Escherichia coli
367 <400> SEQUENCE: 16
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374   20   25   30
377 Pro Ser Ser Arg Ser Ala Ala Gly Thr Met Glu Phe Arg Gln Ile Lys
378   35   40   45
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382   50   55   60
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386 <211> LENGTH: 79
387 <212> TYPE: PRT
388 <213> ORGANISM: Escherichia coli
390 <400> SEQUENCE: 17
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396 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
397   20   25   30
400 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
401   35   40   45
404 Val Met Leu Leu His His His His His His Lys Gly Glu Phe Arg Gln
405   50   55   60
408 Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys Ala
409 65   70   75
412 <210> SEQ ID NO: 18
413 <211> LENGTH: 79
414 <212> TYPE: PRT
415 <213> ORGANISM: Escherichia coli
417 <400> SEQUENCE: 18

STATISTICS SUMMARY   DATE: 08/30/2001
PATENT APPLICATION: US/09/830,779   TIME: 06:21:20

Input Set : **A:\Seq List 09-830779.txt**
Output Set: **N:\CRF3\08292001\I830779.raw**

Application Serial Number: US/09/830,779
Alpha or Numeric: Numeric
Application Class:
Application File Date: 08-04-2001
Art Unit: PCT09
Software Application: PatentIn
Total Number of Sequences: 19
Total Nucleotides: 0
Total Amino Acids: 1080
Number of Errors: 0
Number of Warnings: 0
Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)
271 C: 1 (Current Filing Date differs)